A Phase I Archeological Survey
of a Proposed Construction/Demolition Debris Landfill
and Borrow Pit
on the Fort Knox Military Reservation,
Hardin County, Kentucky

Prepared by

Stephen T. Mocas Assistant Staff Archeologist

EPA Project No. KN0090S041 Document No. LEEN037-2P

December 1993

Accesion For	
NTIS CRA&I D OTIC TAB Unaccondunced Junit Legion	
By Desire for f	
Abadi bracy Codius First Special	an hadrid out - Mag.
A-1	

Pamela A. Schenian
Staff Archeologist
and Project Principal Investigator

Directorate of Public Works, Fort Knox Kentucky 40121-5000

Figure 1 Occumentation 1. Archaeological Survey of a Proposed Construction/Demo- tition Debris Landfill and Borrow Pit on the Fort Knox Military servation. Hardin Crunty, Kenthucky 1. Army Armor Center and Fort Knox Directorate of Public Works ATTN: ATXX-WWE (ARCH) U.S. Army Armor Center and Fort Knox Directorate of Public Works Direct	*.		• •			
PAGE Prite and income. Phage I Archaeological Survey of a Proposed Construction/Demo- tion Debris Landfill and Borrow Pit on the Fort Knox Military seservation, Hardin County, Kentucky Landered Topolic Works Armin Archaeology Directorate of Public Works Armin Archaeology Armor Center and Fort Knox Fort Knox, KY 40121-5000 DEC 0 9 1974 11. Consent of Fublic Works Armin: ATXK-TWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 12. Landered Center and Fort Knox Fort Knox, KY 40121-5000 DEC 0 9 1974 13. Type of Record A Parcel Course Final (NovDec. 1993) 14. Assistation Torontain Norse Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DACW55-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40229 (contract DAET23-93-C-00) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archaeologi- cal survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) acres expanded landfill pit, and a 28.4 ha (70.2 acres) acress expanded landfill pit, and a 28.4 ha (70.2 acres) acress expanded landfill pit, and a 28.4 ha (70.2 acres) acress area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archaeology The downsen has two street acress term Archaeology Hardin County, Kentucky Fort Knox, Kentucky 12. Assumite Mosen Case Center	ESPORT DOCUMENTATION LA REPORT	RT NO.	2.		3. Recipient's Access	sion No.
Phase I Archaeological Survey of a Proposed Construction/Demolition Debris Landfill and Borrow Pit on the Fort Knox Military servation, Hardin County, Kentucky Landfill and Borrow Pit on the Fort Knox Military Servation, Hardin County, Kentucky Landfill and Borrow Pit on the Fort Knox Military Servation, Hardin County, Kentucky Landfill and Borrow Pit on the Fort Knox Military Directorate of Public Works MIN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 12. Summarian Park Pit (Archiver Unit No. Fort Knox, KY 40121-5000 13. Summarian News Employees in Cultural Resource Management Branch of Directorate of Public Works are cutside contractors working for either J.M. Waller Associates, Inc., 9607 Norks are cutside contractors working for either J.M. Waller Associates, Inc., 9607 Norks are cutside contractors working for either J.M. Waller Associates, Inc., 9607 Norka are cutside contractors working for either J.M. Waller Associates, Inc., 9607 Norka are cutside contractors working for either J.M. Waller Associates, Inc., 9607 Norhaeolov, University of Louisville, Louisville, KY 40292 (contract DRAWS-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DRAWS-93-D-0039) or Program of Archaeology. University of Louisville, Isoueville, KY 40292 (contract DRAWS-93-D-0039) or Program of Archaeology. Hardin County and Assistant Staff Archaeologist conducted a Phase I archaeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) acress area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected					S Second Care	
Phase I Archaeological Survey of a Proposed Construction/Demo- tion Debris Landfill and Borrow Pit on the Fort Knox Military segretation, Hardin County, Kentucky tephen T. Mocas Interctorate of Public Works ATIN: ATZK-FWE (ARCH) U.S. Amy Armor Center and Fort Knox Fort Knox, XY 40121-5000 L.S. Sammanary Armor Center and Fort Knox Fort Knox, KY 40121-5000 L.S. Sammanary Armor Center and Fort Knox Fort Knox, KY 40121-5000 L.S. Sammanary Armor Center and Fort Knox Fort Knox, KY 40121-5000 L.S. Sammanary Mamor Center and Fort Knox Fort Knox, KY 40121-5000 L.S. Sammanary Mamor Center and Fort Knox Fort Knox, KY 40121-5000 Taxing Contract DAWS-9-39-0039) or Program of Oskington Dr., Fairfax Station, VA 20203 (contract DAWS-9-39-0039) or Program of Oskington Dr., Fairfax Station, VA 20203 (contract DAWS-9-39-0039) or Program of Archaeolory, University of Louisville, Louisville, KY 40292 (contract DAWF23-93-C-000- Taxing Contract Daws Daws Station of Contract Daws Daws Station of Archaeology, University of Louisville, Louisville, KY 40292 (contract DAWF23-93-C-000- Taxing Contract Daws Daws Station of Contract Daws Daws Daws Daws Daws Daws Daws Daws	L. Title and Subtitle	_				93
Servation, Hardin County, Kentucky Lagranus Servation, Hardin County, Kentucky Lagranus Organization Rates and Asserts Directorate of Public Works ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 12. Search ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Search ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 14. Search ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 15. Search ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 16. Montage Employees in Cultural Resource Management Branch of Directorate of Public Search At Force County Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Archaeology, University of Louisville, Inc. In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological and bear previously surveyed, was field inspected by pedestrian recommended that the landfill expansion, borrow pit, and ac				tion/Demo-		
Directorate of Public Works ATIN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 12. Seement Organization Name and Address Directorate of Public Works ATIN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Manual Archaeology, KY 40121-5000 14. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 15. Seement Name Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Ansynt P. December 18.1 Archaeology Hardin County, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky F			e Fort Knox	Military		
The company Organization Filters and Asserts	eservation, Hardin County,	Kentucky			8. Performing Organ	nzation Rept. No.
Directorate of Public Works ATTN: ATZK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 Piscetorate of Public Works ATTN: ATZK-FWE (ARCH) DEC 0 9 1994 II. Comments of Caractic Me. II. DACM65-93-D-0039 and Control of Public Works ATTN: ATZK-FWE (ARCH) DEC 0 9 1994 III. Type of Recond A Parcel Control I	• • •••					•
Directorate of Public Works ATTN: ATZK-PME (ARCH) U.S. Anny Annor Center and Fort Knox Fort Knox, KY 40121-5000 12. Summanum Understand Name and Address Directorate of Public Works ATTN: ATZK-PME (ARCH) U.S. Anny Annor Center and Fort Knox Fort Knox, KY 40121-5000 13. Summanum Vannor Center and Fort Knox Fort Knox, KY 40121-5000 14. Summanum Vannor Center and Fort Knox Fort Knox, KY 40121-5000 15. Summanum Vannor Center and Fort Knox Fort Knox, KY 40121-5000 16. Anny Annor Center and Fort Knox Fort Knox, KY 40121-5000 16. Anny Annor Center and Fort Knox Fort Knox, KY 40121-5000 17. November 1993, the Fort Knox Staff Archeologist and Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) 18. Anny Annor Center Toposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access that these areas were completely disturbed. The borrow pit, that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Acts brown of Contents and County, Kentucky Fort Knox, Kentucky 18. Assumble Classified 19. Security Class Chia Recommended that the landfill expansion, borrow pit, and access area be used as proposed. 19. Security Class Chia Recommended that the landfill expansion, borrow pit, and access area be used as proposed. 19. Security Class Chia Recommended that the landfill expansion, borrow pit, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky			A STATE OF THE PARTY OF THE PAR	and the same state of the same of	10. Project/Task/We	ork Unit No.
ATTN: ATTX-PWE (ARCH) U.S. Army Armor Center and Fort Knox Port Knox, KY 40121-5000 12. Seentering Organization Name and Asserts Directorate of Public Works ARTHN: ATXF-WE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Seentering Name Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Archaeology, University of Louisville, Louisville, KY 40292 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DAET23-93-C-00) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Assirti A. Description Archaeology Mardin County, Kentucky Salt River, Kentucky Fort Knox, Kentucky 18. Assumble County Salt Field Observation (Inclassified) 19. Security Class China Reservation (23 (iv + 1). Performing Organization Name and Addres		A CALL D			
ATTN: ATTX-PWE (ARCH) U.S. Army Armor Center and Fort Knox Port Knox, KY 40121-5000 12. Seentering Organization Name and Asserts Directorate of Public Works ARTHN: ATXF-WE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Seentering Name Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Archaeology, University of Louisville, Louisville, KY 40292 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DAET23-93-C-00) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Assirti A. Description Archaeology Mardin County, Kentucky Salt River, Kentucky Fort Knox, Kentucky 18. Assumble County Salt Field Observation (Inclassified) 19. Security Class China Reservation (23 (iv + 1	Directorate of Public Wo	rks			11. Contract(C) or G	Frant(G) No.
U.S. Army Armor Center and Fort KNOX Fort Knox, KY 40121-5000 12. Seement Organization terms and Address Directorate of Public Works ATTIN: ATXK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Seementary Main Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or	אַרייאוּ אַדייגא–PWE (ARCH)	f <i>67</i> -	BELEC'	TELRAI	- DACW65-93	-D-0039 and
12. Second Organization Names and Asserts: Directorate of Public Works ATMN: ATKK-FWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 13. Supermentary Mosts	U.S. Army Armor Center a	nd Fort Kilox		新月 新州科	DABT23-93	-C-0093
Directorate of Public Works Directorate of Public Works ATTN: ATZK-PWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 14. 15. Superimentary News Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., Fairfax Station, VA 2029 (contract DAW65-93D-0039) or Program of Oakington Dr., VA 2029 (contract DAW65-93D-003) or Program of Oakington Dr., VA 2029 (contract DAW65-93D-003) or Program of Oakington Dr., VA 2029 (contract DAW65-93D-003) or Program of O	Fort Knox, KY 40121-500	0	DEC 0 3	1274日 月月	(G) DED 123 33	
Directorate of Public Works ATTM: ATZK-PWE (ARCH) U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 12. Supermentary more Employees in Cultural Resource Management Branch of Directorate of Public Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology, University of Louisville, Louisville, Louisville, KY 40292 (contract DABT23-93-C-00) Archaeology,	1010 101011		<i>\$</i>]		12 71 9	1 Bound Courses
Directorate of Public Works ATTM: ATTM-TWE (ARCH) U.S. ATTM: ATTM-TWE (ARCH) U.S. ATTM ATTMOTE Employees in Cultural Resource Management Branch of Directorate of Public Supermentar Mass Employees in Cultural Resource Management Branch of Directorate of Public Royal Morks are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-009) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological Salvery of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Analysis 1. Descriptors 18. Archaeology Hardin County, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky Salt River, Kentucky Salt River, Kentucky 19. Security Class Clinic Reserv Unclassified 23. (iv + 1	12 Sponsoring Organization Name and Addre	-11	Barrer .	ا	1 ' ''	
ATTM: ATTM-THE (ARCH) U.S. ATMY ATMOT Center and Fort Knox Fort Knox. KY 40121-5000 12 Supermentary Meets Employees in Cultural Resource Management Branch of Directorate of Public Morks are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DABT23-93-C-009) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Aratus & Description Archaeology Hardin County, Kentucky Fort Knox, Kentucky 19. Security Class (Thin Reserv) Unclassified 19. Security Class (Thin Reserv) Unclassified 23. No. of Page 1985 Unclassified 23. (iv + 1)			∯ ress N		LINGT (NOV.	-Dec. 1993)
U.S. Army Armor Center and Fort Knox Fort Knox, KY 40121-5000 Superimetry Notes Employees in Cultural Resource Management Branch of Directorate of Public Superimetry Notes Employees in Cultural Resource Management Branch of Directorate of Public Superimetry Notes Employees in Cultural Resource Management Branch of Directorate of Public Superimetry Notes Employees in Cultural Resource Management Branch of Directorate of Public Rouse Staff Archaeology (Contract DACW65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (Contract DAET23-93-C-009) In November 1993, the Fort Knox Staff Archaeologist and Assistant Staff Archaeologist conducted a Phase I archaeological survey of a proposed landfill and borrow tract. The cat comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Desument Anstrus - Description Archaeology Mill Creek, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky 6. COSATI Field/Group Mills Group Resourced Fort Knox, Kentucky 6. COSATI Field/Group Mills Group Resourced Fort Knox (Chia Record Canada Chia the Cosation Country Statement Chia Record Canada Chia the Cosation Country Statement Chia Record Canada Chia the Cosation Country Canada Chia Record Canada Chia the Cosation Chia Record Canada Chia the Cosation Chia Record Chia Record Chia the Cosat	ATTEN ATTEN (ARCH)	and determine	ni Mariantanian mariantanian mariantanian mariantanian mariantanian mariantanian mariantanian mariantanian marian			
Fort Knox, KY 40121-5000 11 Suppermentary Nates Employees in Cultural Resource Management Branch of Directorate of Publication of the Contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DAMOS-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DAMOS-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DAMOS-3-0-003) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Arabina & Description This document area beyond access area be used as proposed. 18. Management area beyond access area be used as proposed. 19. Security Class (This Resort) 23. No. of Pater States of The Archaeology Archaeology Salt River, Kentucky Fort Knox, Kentucky 19. Security Class (This Resort) 23. (iv + 1)	ATIN: AIZK-IND (Inchi)	and Fort Knox			14.	
**Subsense Employees in Cultural Resource **Inchestates*, Inc., 9607 Works are outside contractors working for either J.M. Waller Associates, Inc., 9607 Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACW65-93-D-0039) or Program of Oakington Dacw65 **Archaeology*, University of Louisville, Louisville, KY 40292 (contract DACW67-93-D-0039) or Program of Oakington DACW67-93-D-0039) or Program of Oakington DACW67-93-D-0039 (contract DACW67-93-D-0039) or Program of Oakington DACW67-93-D-0039 (contract DACW67-93-D-0039) or Program of Oakington DACW67-93-D-0039 (contract DACW65-93-D-0039) or Program of Oakington DACW67-93-D-0039) or Program of Oakington DACW	U.S. ALITY ALITOI CERCET C)				
Works are outside contractors. VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Oakington Dr., Fairfax Station, VA 22039 (contract DACM65-93-D-0039) or Program of Archaeology, University of Louisville, Louisville, KY 40292 (contract DAEM23-93-C-004) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Analysis a Describer Archaeology Mill Creek, Kentucky Fort Knox, Kentucky Light Statement County County Case (This Record) Call Call	FORT MIOX, AT 40121-3000	in Cultural Reso	urce Manage	ment Branch	of Directora	ate of Mubilo
Oakington Dr., Fairtax Station, Wa 2009 (Contract DAET23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DAET23-93-C-00) Archaeology, University of Louisville, Louisville, KY 40292 (contract DAET23-93-C-00) In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Analysis as Described and distribution is unlimited. Archaeology Mill Creek, Kentucky Salt River, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky 18. Archaeology Mill Creek, Kentucky Salt River, Kentuck	T Supplementary notes Elliptoyees	actors working for	r either Ĵ.	M. Waller As	ssociates, Ir	nc., 960/
In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Analysis a Description Archaeology Mill Creek, Kentucky Fort Knox, Kentucky Hardin County, Kentucky Fort Knox, Kentucky a. Identified/Group Archaeology Mill Creek, Kentucky Fort Knox, Kentucky C. COSAII Field/Group 18. Availability Statement Unclassified 21. No. of Fater, 23 (iv + 1) Unclassified	Works are outside contro	Station VA 22039	(contract	DACW65-93-D-	-0039) or Pro	ogram of
In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Ansiphis * Descriptors 18. Descriptors Archaeology Hardin County, Kentucky Fort Knox, Kentucky **COSATI Field/Group** Archaeology **Archaeology Hardin County, Kentucky Fort Knox, Kentucky **COSATI Field/Group** 13. Ne. of Fields* Unclassified** 13. Ne. of Fields* Unclassified** 23. (iy + 1)	Oakington Dr., Fairiax	of Ionignilla I.	ouisville.	KY 40292 (c	contract DAB	г23-93 - С-0093
In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access area. The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Analysis & Descriptors 18. Descriptors Archaeology Hardin County, Kentucky Fort Knox, Kentucky C. COSANI Field/Group 19. Security Class (The Report) Dicklassified 21. No. of Pages Unclassified 22. (iy + 1	Archaeology, University	OT TOUTSATTTE! T		<u></u>		.*
which had not been previously surveyed, was ulted in the by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Analysis a. Descriptors 18. Availability Statement Which descriptors Archaeology Hardin County, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky 19. Security Class (This Report) Unclassified 23. (iv + 1	expanded landfi area. The enti vation, Hardin expansion area viously surveye	re tract is or County, Kentuc and the area sed with negative	28.4 na the Fore ky. The southwest ve result	t Knox Mil proposed of it had s. Field rrent stud	itary Rese landfill been pre- observation	er- on l
by pedestrian reconnaissance. The survey discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Document Analysis a. Descriptors This document has been approved for public release and sale; its distribution is unlimited. b. Identifiers/Open-Ended Terms Archaeology Hardin County, Kentucky Fort Knox, Kentucky 19. Security Class (This Report) Unclassified 23. (iv + 1	that these area	s were complete	ceth gisc	d was fie	ld inspect	ed
by pedestrian reconnaissance. The discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed. 17. Decument Analysis at Descriptors 18. Descriptors 19. Security Class (This Report) 19. Security Class (This Report) 20. No. of Pages 18. Availability Statement 19. Security Class (This Report) 21. No. of Pages 22. No. of Pages Unclassified		soon nrevious!	v surveve	C, MCS TTC	Ta TiiDbaa	- ··
recommended that the landfill expansion, boffow pit, and access area be used as proposed. 17. Document Analysis a. Descriptors This document has been exprised for public release and sale; and distribution is unlimited. DITC CUALITY FALTERIAL Solution is unlimited. Archaeology Hardin County, Kentucky Fort Knox, Kentucky Fort Knox, Kentucky 19. Security Class (This Report) Unclassified 21. No. of Pages 22. No. of Pages 23. (iv + 1)	1	-AAANNA 1 SSANCA	. THE SUL	ACA TOMPT		
This document has been operated for public release and sale; as distribution is unlimited. Archaeology Hardin County, Kentucky Fort Knox, Kentucky C. COSATI Field/Group 19. Security Class (This Report) Unclassified 21. No. of Pages 23 (iv + 1	discovery of no	archeologica	1 marerta 1 marerta	on borrow	pit, and	
17. Document Analysis a. Descriptors This document has been opproved for public release and sale; its distribution is unlimited. DIF CUALITY FALTERIAL	recommended the	at the rangers	coy T evhanor	01., 2022		
This document has been approved for public release and sale; his distribution is unlimited. Archaeology Hardin County, Kentucky Fort Knox, Kentucky C. COSATI Field/Group 19. Security Class (This Report) Unclassified 21. No. of Pages 23 (iv + 1	access area be	used as propo	seu.	•		
This document has been approved for public release and sale; his distribution is unlimited. Archaeology Hardin County, Kentucky Fort Knox, Kentucky C. COSATI Field/Group 19. Security Class (This Report) Unclassified 21. No. of Pages 23 (iv + 1						
distribution is unlimited. b. identifiers/Open-Ended Terms Archaeology Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) Unclassified 23 (iv + 1	17. Document Analysis a. Descriptors	the state of the s				
distribution is unlimited. b. identifiers/Open-Ended Terms Archaeology Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) Unclassified 23 (iv + 1	This document has been our	gave ć			opensymmetri	까까. (1)
Archaeology Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) Unclassified 23 (iv + 1	ii for public release and sale; i	.15		ring Guai	REST INCOME	1110
Archaeology Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) Unclassified 23 (iv + 1	distribution is unlimited.			3. 2. 2. 2. 2. 20 m		
Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) 21. No. of Pages Unclassified 23 (iv + 1		and the state of t				_
Hardin County, Kentucky Fort Knox, Kentucky c. COSATI Field/Group 19. Security Class (This Report) 21. No. of Pages Unclassified 23 (iv + 1	b. Identifiers/Open-Ended Terms	Archaeology				
c. COSATI Field/Group 19. Security Class (This Report) 21. No. of Pages 18. Availability Statement Unclassified 23 (iv + 1			Kentucky	Salt	River, Kentu	.cky
c. COSATI Field/Group 19. Security Class (This Report) 21. No. of Pages 18. Availability Statement Unclassified 23 (iv + 1)						
18. Availability Statement 19. Security Class (This Report) 21. No. of Factor Unclassified 23. (iv + 1)	!		-			
18. Availability Statement 19. Security Class (This Report) 21. No. of Faces Unclassified 23. (iv + 1)						
18. Availability Statement 19. Security Class (This Report) 21. No. of Faces Unclassified 23. (iv + 1)			•			
18. Availability Statement Unclassified 23 (1V + 1				19. Security Class	(This Report)	21. No. of Pages
	18. Availability Statement					23 (1V + 19)
	Release Unlimited					22. Price

ABSTRACT

In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist conducted a Phase I archeological survey of a proposed landfill and borrow tract. The tract comprises a total of 66.8 ha (165 acres), consisting of a 24 ha (59.8 acres) borrow pit, a 12.1 ha (29.8 acres) expanded landfill pit, and a 28.4 ha (70.2 acres) access The entire tract is on the Fort Knox Military Reservation, Hardin County, Kentucky. The proposed landfill expansion area and the area southwest of it had been previously surveyed with negative results. Field observation and drive-by inspection during the current study revealed that these areas were completely disturbed. The borrow pit, which had not been previously surveyed, was field inspected by pedestrian reconnaissance. The survey resulted in the discovery of no archeological materials or deposits. It is recommended that the landfill expansion, borrow pit, and access area be used as proposed.

MANAGEMENT SUMMARY

In accordance with Executive Order 11593 and other applicable federal laws and regulations, a Phase I archeological study was conducted of a proposed landfill expansion, a borrow pit, and access area on the Fort Knox Military Reservation, Hardin County, Kentucky. A literature search revealed that the proposed landfill expansion and the area to the southwest of it had been previously surveyed with negative results, and field observation during the current study indicated the area was completely disturbed. The proposed borrow pit, which had not been not previously surveyed was inspected by pedestrian reconnaissance, with negative results. It is recommended that the landfill, borrow, and access areas be used as proposed.

TABLE OF CONTENTS

		<u>Page</u>
Management Sum Table of Conte List of Figure List of Tables I. Introduct II. Previous III. Survey Pr IV. Setting a V. Conclusion References Cit	Research	i iii iii iii 1 6 10 11 11 13
Appendix A. Re	esumes of Key Personnel	17
	LIST OF FIGURES	
		<u>Page</u>
Figure 1. Loc Tra	ation of Proposed Landfill and Borrow ct and Previously Surveyed Areas	. 2
Figure 2. Pla and	n View of Southwest Half of Landfill Borrow Tract	. 4
Figure 3. Pla	n View of Northeast Half of Landfill Borrow Tract	. 5
	LIST OF TABLES	
		<u>Page</u>
mahla 1 Vas	y to Figures 2 and 3	3

I. INTRODUCTION

In November 1993, the Fort Knox Staff Archeologist and Assistant Staff Archeologist performed a Phase I archeological survey of a proposed landfill expansion and a borrow pit tract at Fort Knox, Hardin County, Kentucky (Figure 1). The proposed landfill, borrow, and access areas are located in Hunting Area 20 and Training Area 13. The landfill expansion is approximately 29.8 acres (12.1 ha) in size (Figures 2 and 3, Table 1). The landfill will be used by the Fort Knox Directorate of Public Works (DPW) to dispose of con-The borrow pit is approxistruction and demolition debris. mately 59.8 acres (24 ha) in size (Figure 3; Table 1). will be used to provide earth to cover the debris deposited in the landfill. The area between the landfill tract and the borrow pit was examined to ascertain if intact cultural materials were present in the area to be traversed by machinery involved in the construction and use of these The project area (landfill and borrow tract) facilities. comprises all the above areas (Figures 1-3). It is bounded on the southwest by Brandenburg Road, on the northwest by Baker Road, on the northeast by a power line that coincided with the northeast end of the proposed borrow area, and on the southeast by a deep ravine and a previously rehabilitated tank training area.

During the period July through August, 1993, the Staff Archeologist obtained copies of all of the state site forms for sites on the Fort Knox installation from the Office of State Archaeology (OSA), University of Kentucky, Lexington, and of all reports of previous investigations on the installation or immediately adjacent to the installation from various sources. She also updated the site files by comparing the cultural resources quadrangle maps against the quadrangles on file at the OSA. All documents necessary to perform Phase I literature searches for the installation are present at the Cultural Resource Management Branch of the Directorate of Public Works, Fort Knox, and no file check was made with the OSA specifically for this project.

A literature search revealed that the southwestern half of the project area had been previously surveyed with negative results. This area is within the quadrant of Hunting Area 20 surveyed by O'Malley et al. (1980). Because the area had been previously surveyed, with negative results, and field inspection during the present project indicated that the surface was completely disturbed, it was not walked during the current study. The proposed borrow pit and the area between it and the landfill tract had not been previously surveyed, and were field inspected by pedestrian reconnaissance in the current study.

The proposed landfill and borrow areas are located in the Plain section of the Pennyrile cultural landscape, on

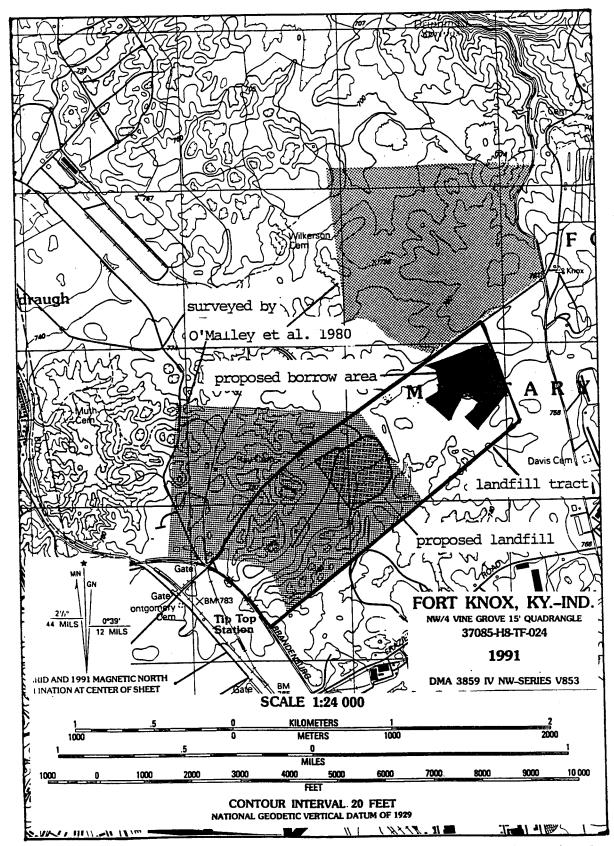


Figure 1. Location of Proposed Landfill and Borrow Tract and Previously Surveyed Areas.

Key to Figures 2 and 3.

- - landfill tract boundary

walked during current survey

disturbed by previous landfill activities-drive-by inspection

disturbed by previous borrowing and tank training-drive-by inspection

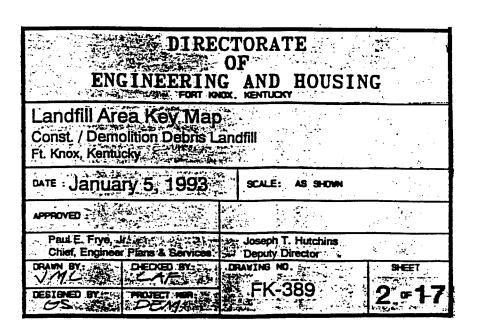


Table 1. Key to Figures 2 and 3.

Figure 2. Plan View of Southwest Half of Landfill and Borrow Tract.

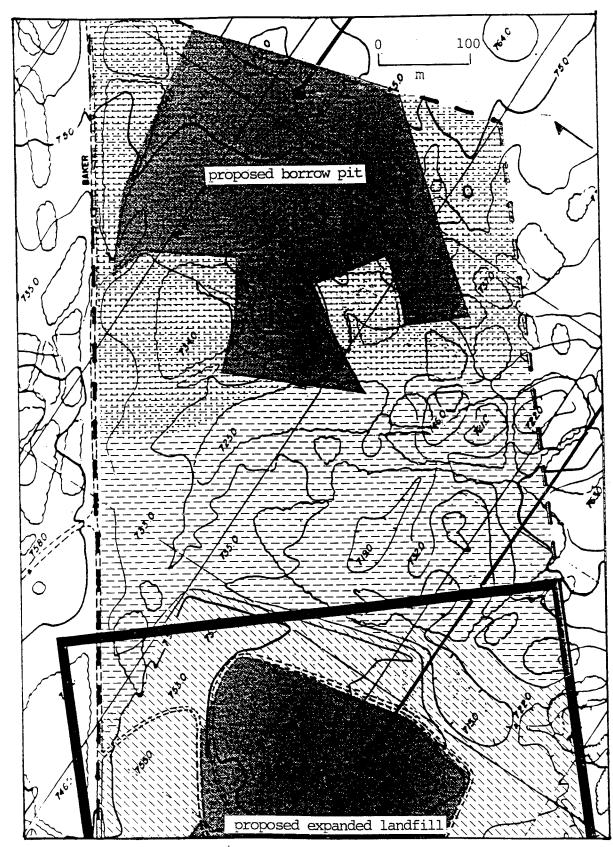


Figure 3. Plan View of Northeast Half of Landfill and Borrow Tract.

the undulating surface of a karstic plain that is riddled with sinkholes. Elevations in the project area range from 720 to 780 feet. Soils in the project area are classified as Criders-Vertrees-Nicholson soil association while soils in (Arms et al. 1979: General Soil Map). Drainage in the project area is underground through the sinkholes. Mill Creek is the closest stream, but direct, above ground tributaries are not present.

The archeological survey was conducted in preparation for the use of the landfill tract for the deposition of construction and demolition debris and the borrow area as a source of earth to cover the debris. The EPA project number is KN0090S041. The archeological survey and literature review were required to comply with the National Environmental Protection Act, or NEPA, (Public Law 91-190), the Historic Preservation Act of 1966, as amended (Public Law 89-665), the Archaeological Resources Protection Act of 1979 (Public Law 96-95), Presidential Executive Order 11593, and Army Regulation 420-40.

The entire project area was inspected on November 23, 1993. A total of four person hours were spent in the survey of the proposed borrow pit and access area. One additional person hour was spent examining the periphery and selected interior portions of the southwestern half of the project area. No artifacts were observed or collected in this survey. Documentation of this project will be curated at the Archeology Laboratory, University of Louisville, on a "permanent loan" basis, under contract number DABT 23-93-C-0093, for curatorial and technical support (copy of contract on file, DPW, Fort Knox, Kentucky). Duplicate copies of the documentation will be stored at the Directorate of Public Works (DPW), U.S. Army Armor Center and Fort Knox, Fort Knox, Kentucky.

II. PREVIOUS RESEARCH

A number of cultural resource management (CRM) projects have been conducted on the Fort Knox military reservation. Numerous projects also have been conducted in the portions of Bullitt, Meade, and Hardin Counties outside the military reservation, according to the state archeological bibliography and updates. O'Malley et al. (1980) provide an in-depth discussion of research in Bullitt, Hardin, and Meade counties through 1979, and Schenian (1991) and Schenian and Mocas (1992) provide a summary of the research which has taken place since the O'Malley et al. (1980) study was completed. This section will focus on the projects which have been conducted on the military reservation and within the vicinity of the current project area.

There are 112 Hunting Areas on the Fort Knox installa-O'Malley et al. (1980) surveyed approximately onequarter of each of the 96 hunting areas which did not contain grenade ranges. O'Malley et al. (1980) recorded 415 sites (15Bu295 through 15Bu410, 15Hd109 through 15Hd294, and 15Md103 through 15Md242). Some of these sites were recorded outside the official survey areas, and were discovered while gaining access to the selected survey areas from the closest access road. Some of the sites are isolated finds. O'Malley et al. (1980) did not formally evaluate the National Register status of any of the sites inspected, although opinions are offered on many of the site forms. The purpose of the O'Malley et al. (1980) study was to provide a preliminary inventory of portions of the installation and to develop a database for the predictive modeling of site locations on the installation, and not to evaluate sites for a taskspecific construction project. Holmberg (1991) prepared an archival study on the four mill sites (15Md164, 15Md176, 15Md185, and Grahamton) recorded by O'Malley et al. (1980) in the Meade county section of the base. Holmberg's (1991) study includes an appendix (Ball 1991a) delimiting a scope of services for the testing of the mill sites. This testing has not yet been conducted.

A number of projects have been conducted in conjunction with proposed timber harvests. Bush et al. (1988) revisited 15Bu319 and recorded sites 15Bu438 through 15Bu446 and 15Bu485 through 15Bu491 in their survey of timber areas in Hunting Areas 41, 42, and 52. Myers (1990) surveyed 287 acres in Hunting Area 95, recording 15Bu495 through 15Bu502, and describing modern house and garbage dump sites. (1991) surveyed 270 acres in Hunting Area 1, revisiting 15Md11, 15Md152, and 15Md159, and recording 15Md322 through 15Md325, two historic cemeteries, five prehistoric isolated finds, and three modern structures. Schenian and Mocas (1992) surveyed 600 acres and attempted to relocate and flag previously recorded sites in an additional 300 acres. Their project areas consisted of 14 timber parcels located in Hunting Areas 13, 74, 76, 77, 78, 81 through 84, and 88 through 90. This survey resulted in the recording of sites 15Hd462, 15Hd463, 15Hd464, 15Md326, and one isolated find, and the revisiting of 15Hd140. Attempts were made to relocate 15Hd18, 15Hd113, and 15Hd139, but were unsuccessful. Ruple (1992b) revisited sites 15Md152, 15Md153, and 15Md322 in Hunting Area 1. Ruple (1992a) revisited sites 15Hd184, 15Hd186, and 15Hd249, and made an unsuccessful attempt to relocate 15Hd248, in order to flag avoidance boundaries around the sites in Hunting Area 90 in preparation for logging activities in conjunction with the clearing of the Highway 313 easement. Ruple (1993a) surveyed all 813 acres comprising Hunting Area 4 in preparation for timber harvests in scattered parcels within the Hunting Area.

The improvement of facilities on the Fort Knox installation has resulted in several CRM studies. Sorensen and Ison

(1979) surveyed a proposed telephone building expansion site and access road in the cantonment area, recording no sites. Sussenbach (1990) surveyed three weather radar installation sites, in Hunting Area 23, discovering one prehistoric isolated find. Ruple (1993b) surveyed approximately 10 acres in the cantonment area for a shoreline maintenance project, encountering no sites.

The development, expansion, or improvement of training areas has resulted in a number of CRM studies. Driskell and O'Malley (1979) surveyed the Wilcox Gunnery Range, recording sites 15Bu393 through 15Bu397. Schenian (1991) surveyed 116 acres in portions of Hunting Areas 17, 30, and 41, in conjunction with the Fort Dix realignment, re-examining 15Bu303, and recording 15Bu492, 15Hd459, and two prehistoric isolated finds. Hemberger (1991a) also surveyed approximately 405 acres in seven construction sites in Hunting Areas 17, 24, 31, 32, 34, and 54 in conjunction with the Fort Dix realignment. This study resulted in the recording of 15Hd461 and 15Bu504, the revisiting of 15Bu299 and 15Bu385, and the unsuccessful attempt to relocate previously recorded site 15Hd274. Hemberger (1991b) surveyed a total of 126 acres in four proposed construction areas in the Yano Tank Range, in Hunting Area 93, recording 15Hd460, revisiting 15Hd178, 15Hd182, and 15Hd282, and unsuccessfully attempting to relocate previously recorded site 15Hd283. Hemberger (1992) surveyed a 7.5 acre borrow area in Hunting Area 24, proposed to be used for the consolidation and improvement of two training ranges, and encountered no Schenian and Mocas (1993) studied approximately sites. 133.6 ha (330.2 acres) in 11 proposed rehab areas. The survey resulted in the revisitation of four previously recorded sites (15Md143, 15Md154, 15Md163, and 15Md175) and the recording of 13 additional sites (15Hd482-15Hd487 and 15Md336-15Md342) and five prehistoric isolated finds. prehistoric site could not be relocated. A portion of one historic cemetery also was located in one of the rehab areas.

In conjunction with land sales, Ball (1987) surveyed approximately 196 acres in the Bullitt County portion of Fort Knox, recording sites 15Bu479 through 15Bu481 and describing one post-1950, or modern, house foundation. Ball (1991b) also surveyed a 19 acre tract near Radcliff prior to disposal of the tract, recording two historic/modern trash dumps which were not assigned state site numbers. Hale (1981) surveyed the Otter Creek Park, recording 15Md243 through 15Md303. Portions of Otter Creek Park, now owned by the City of Louisville, were once part of the Fort Knox military installation, but were disposed of in the 1970's.

Road construction and improvements have resulted in a number of CRM projects on the military reservation. McGraw (1976) surveyed the proposed U.S. 60 bridge and approaches near Otter Creek park, encountering no sites in a 2.35 mile

long corridor which passes through Hunting Areas 7 through 9 and 11 and 12. Fiegal (1982) surveyed the Radcliff Industrial Park access road, including land in Hunting Area 15 as well as off the installation. He recorded 15Hd403 and 15Hd404 off the installation, and revisited 15Hd215 and 15Hd272 on the installation. Webb and Brockington (1986) surveyed the 4.75 mile long Kentucky Highway 1638 realignment corridor, which included portions of Hunting Areas 5 and 7 through 10. They revisited sites 15Md176, and 15Md182 through 15Md185, and recorded 15Md306, 15Md307, and 15Md309. Sites 15Md176, 15Md182, 15Md183, and 15Md307 were all parts of the former town of Garnettsville. The latter three sites were tested (Wheaton 1982), but 15Md176 was not tested because it fell outside the 1638 realignment easement. DiBlasi (1986) surveyed 14 alternative alignments of the approximately 20 km (12.4 miles) long Kentucky Highway 313 corridor, which includes portions of Hunting Areas 80 through 83 and 90, as well as land outside the installation. A total of 27 sites (15Hd406-15Hd430 outside the installation, and 15Hd135, 15Hd184, 15Hd186, 15Hd248, 15Hd249, 15Hd253, 15Hd431, and 15Hd432 on the installation), some previously recorded, were located in the survey corridor. Hixon (1992) tested 15Hd423 and 15Hd426, and archeologists from Wilbur Smith Associates tested six sites on the installation, including 15Hd249 and 15Hd253 (Fenton 1993: personal communication). Schenian (1993) performed a literature search and Phase I survey of six proposed spoil pile Three of the spoil areas had been previously surveyed by DiBlasi (1986) and one by O'Malley et al. (1980), with negative findings. The remaining two spoil areas were field checked by Schenian, with negative results.

In addition to the CRM projects, several sites have been recorded on the military reservation in non-CRM contexts. Funkhouser and Webb (1932) published a catalog of archeological sites in the state, with the information gained primarily through correspondence with amateur archeologists, collectors, and local historians, and included the description of two sites now on the military reservation. These are 15Md10, a mound group on Indian Hill, and 15Md11, a mound near the mouth of Otter Creek (Funkhouser and Webb 1932: 281). Lee Hanson recorded 15Hd17 and 15Hd18, while attending ROTC training camp at Fort Knox in 1961 (Hanson 1961a, 1961b; Dr. R. Berle Clay 1991: personal communication). The wife of a soldier stationed at Fort Knox partially excavated 15Hd273, a mound in Hunting Area 6, in the early 1960's (Anonymous n.d.).

Of greatest relevance to the present study is the work of O'Malley et al. (1980) who, as stated in the introduction, previously surveyed the area containing the proposed landfill expansion. No sites were recorded within the current project area by the O'Malley et al. survey. O'Malley et al. (1980) also surveyed a quadrant of Hunting Area 18 that lies directly to the northwest of the northeast portion

of the current project area. They recorded two sites in this sampling plot--15Hd127 and 15Hd133, small lithic scatters 1250m and 250 m, respectively, northwest of the proposed borrow area. These sites were in environmental settings similar to those formerly present in the proposed landfill and borrow tract. The site surfaces had been severely eroded by tank training, but had not been deeply borrowed like adjacent portions within the current project area.

No sites other than those discussed above are recorded within a 1.0 km radius of the project areas. No archeological sites or standing structures listed on or eligible for listing on the National Register of Historic Places are located in or immediately adjacent to the current project areas.

III. SURVEY PREDICTIONS

Bush et al. (1988:16) noted the following trends for sites recorded on the Fort Knox military reservation:

- 1) Historic sites are the most frequent site type.
- 2) Sites of indeterminate prehistoric culturaltemporal affiliation are the second most common site type.
- 3) Historic sites frequently have prehistoric components, suggesting that both prehistoric and historic peoples were selecting similar topographic features for settlement.

Based on previous archeological research in the area, the history of settlement, and the environmental setting of the proposed landfill and borrow areas, the following results were also expected:

- 1) O'Malley et al. (1980) already had surveyed the southwestern half of the current project area, with negative results; the DPW Environmental Engineer of the (Donnie McGar personal communication 1993) reported that the area has been used for slit trench landfill activities for approximately the last 35 years and was thoroughly disturbed; thus, no intact deposits were expected.
- 2) Soil survey (Arms et al. 1979) and military aerial photographs (1991) of the northeastern half of the project area show extreme alteration of the land surface due to tank training; therefore, little or no intact cultural material was expected.

IV. SETTING AND FIELD METHODS

It lies in the Mississippian Plateau physiographic region of Kentucky (McGrain and Currens 1978:35). The terrain is characterized by an undulating surface with numerous sinkholes and little above ground drainage. The closest stream is Tollgate Creek, which begins 1.2 km east of the proposed borrow pit and flows into Mill Creek 2.2 km farther east.

The landfill tract (Figure 1) studied during the project extended approximately 2300 m northeast to southwest and 730 m northwest to southeast. The southwestern half of the project area, which encompassed the proposed landfill expansion, had been systematically surveyed in a previous study (O'Malley et al. 1980), with negative results, and was examined by drive-by inspection in the current study. The northeastern half had not been previously surveyed, and the remainder of this section will focus on the description of the setting of this area and the field methods used in the survey.

The northeast boundary of the proposed borrow area is formed by a powerline, the northwest boundary is Baker Road, the southwest end is defined by a service road related to previous borrow activities, and the southeast boundary was not marked by any salient features other than the limits of previous borrowing. The proposed borrow pit area had previously been relatively level, with a slight rise to the northeast (Figures 1 and 2), but has been borrowed to a depth of 1-3 m below the original ground surface. small, isolated columns of earth and vegetation remained within the deeply borrowed surface, but these areas had been disturbed by tank training and less intensive borrow and fill activities. The sides and surfaces of these columns were observed for evidence of intact deposits, but results The entire proposed borrow were negative in all instances. area and a small adjoining section of the access area between the proposed borrow pit and the proposed expanded landfill were examined by pedestrian reconnaissance. determined that the access area also was thoroughly borrowed, so the area was examined by drive-by observation. evidence of archeological materials or deposits was observed in the entire project area.

V. CONCLUSIONS AND RECOMMENDATIONS

The Phase I literature search of a proposed landfill and borrow area revealed that the southwestern half of the project area had been previously inspected by O'Malley et al.

(1980). No evidence of archeological materials or deposits had been found in the landfill area in this earlier survey, so it was not field inspected in the current study. The proposed borrow pit area and a portion of the access area between the proposed expanded landfill and the proposed borrow pit had not been previously surveyed, and was field inspected in the current study. The inspection of this area resulted in the discovery of no archeological materials or deposits. It is recommended that Directorate of Public Works be permitted to use the project area as proposed.

In the remote possibility that archeological materials are discovered during earthmoving activities all activity in the vicinity of the finds must cease and the State Historic Preservation Officer (502-564-6661) and the DPW Staff Archeologist (502-624-6581) should be contacted, so a representative of those agencies may evaluate the materials. Also, if human remains, regardless of age or cultural affiliation, are discovered, all activity in the vicinity of the remains must cease immediately, and the state medical examiner (502-564-4545) and the appropriate local law enforcement agency (Fort Knox Law Enforcement Command, 502-624-6852) must be contacted, as stipulated in KRS 72.020.

REFERENCES CITED

Anonymous

- Knox Indian Mound Yields Many Relics, Spurring n.d. Explorers. Louisville Times, p. unknown. October 27, (1964?). Article on file, DPW, Fort Knox, Kentucky.
- Arms, Fred S., Michael J. Mitchell, Frank C. Watts, and Byron L. Wilson Soil Survey of Hardin and Larue Counties, Kentucky. U.S. Department of Agriculture, Washington, D.C.
- Ball, Donald B. A Cultural Resources Reconnaissance of 195.53 Acres of Excess Property at Fort Knox, Bullitt County, Kentucky. U.S. Army Engineer District, Louisville.
 - 1991a Supplemental Appendix: Recommendations for the Archaeological Assessment of Four Nineteenth Century Industrial Sites at Fort Knox, Kentucky. In Historical Report on Four Mill Sites on the Fort Knox Military Reservation, Meade County, Kentucky by James J. Holmberg. U.S. Army Corps of Engineers, Louisville District.
 - 1991b Archaeological Reconnaissance of a Proposed 19 Acre Disposal Tract at Fort Knox, Hardin County, Kentucky. U.S. Army Engineer District, Louisville.
- Bush, David R., Mark A. Kollecker, Jare Cardinal, and Renea Martello
 - A Cultural Resource Investigation of Timber Areas 41, 42 and 52 within the Fort Knox Military Reservation in Bullitt and Hardin Counties, Kentucky. David R. Bush, Eastlake, Ohio.
- DiBlasi, Philip J. 1986 A Cultural Resource Management Reconnaissance of the Vine Grove/Radcliff to Interstate 65 Connector in Hardin County, Kentucky. Archaeological Survey, University of Louisville, Louisville.
- Directorate of Engineering and Housing, Fort Knox, Kentucky Landfill Area Key Map. Drawing FK-389, Sheet 2 of 17. January 5, 1993. Copy on file DPW, Fort Knox.
- Driskell, Boyce, and Nancy O'Malley An Archaeological Survey and Assessment of Areas to be Modified at the Wilcox Gunnery Range, Fort Knox, Kentucky. Archeology Report No. 15, Department of Anthropology, University of Kentucky, Lexington.

- Fiegal, Kurt H.

 1982 An Archaeological Survey of the Radcliff Industrial
 Park Access Road, Radcliff, Kentucky. Kentucky
 Department of Transportation, Frankfort.
- Funkhouser, W.D., and W.S. Webb

 1932 Archaeological Survey of Kentucky. Reports in

 Anthropology and Archaeology Vol. 2. University of
 Kentucky, Lexington.
- Hale, John R.

 1981 A Survey of Archaeological Sites in Otter Creek
 Park, Meade County, Kentucky. Toward a Research and
 Management Design: Cultural Resources Studies in the
 Falls Region of Kentucky, Volume II. University of
 Louisville, Archeological Survey, Louisville.
- Hanson, Lee
 1961a 15Hd17 Site Form. Copy on file at the Office of
 State Archaeology, University of Kentucky, Lexington, Kentucky.
 - 1961b 15Hd18 Site Form. Copy on file at the Office of State Archaeology, University of Kentucky, Lexington, Kentucky.
- Hemberger, Jan Marie
 1991a An Archaeological Reconnaissance of Proposed Construction Sites on Yano Tank Range, Fort Knox Military Reservation, Hardin County, Kentucky. U.S. Army
 Engineer District, Louisville.
 - 1991b An Archaeological Reconnaissance and Assessment of Proposed Construction Sites for Fort Dix Realignment, Fort Knox Military Reservation, Bullitt and Hardin Counties, Kentucky. U.S. Army Engineer District, Louisville.
 - An Archaeological Reconnaissance of a Proposed 7.5 Acre Borrow Area Adjacent to the Morgan/Dripping Springs Ranges at the Fort Knox Military Reservation, Hardin County, Kentucky. U.S. Army Engineer District, Louisville.
- Hixon, James Lee
 1992 Phase II Archaeological Assessment of 15Hd423 and
 15Hd426, Radcliff to Interstate 65 Connector, Kentucky 313, Hardin County, Kentucky. Kentucky
 Department of Transportation, Frankfort.
- Holmberg, James J.

 1991 <u>Historical Report on Four Mill Sites on Fort Knox Military Reservation, Meade County, Kentucky</u>. U.S. Army Corps of Engineers, Louisville.

- McGrain, Preston, and James C. Currens
 1978 Topography of Kentucky. Kentucky Geological Survey
 Series X. Special Publication 25. University of
 Kentucky, Lexington.
- McGraw, Betty J.

 1976 An Archeological Survey of the Proposed Meade County
 U.S. 60 Bridge and Approaches at Otter Creek Project. Department of Tranportation, Frankfort.
- Mueller, Bradley M.

 1991 A Phase I Cultural Resource Survey of Ca. 270 Acres
 in the Western Portion of Hunting Area 1, Fort Knox
 Military Reservation, Meade County, Kentucky. Murray
 State University, Murray.
- Myers, Jeffery A.

 1990 A Cultural Resources Reconnaissance of 287 Acres in the Central Portion of Hunting Area 95, Fort Knox, Bullitt County, Kentucky. Archeology Service Center, Murray State University, Murray.
- O'Malley, Nancy, Boyce Driskell, Julie Riesenweber, and Richard Levy
 - 1980 Stage I Archaeological Investigations at Fort Knox, Kentucky. <u>Archeological Report</u> No. 16, Department of Anthropology, University of Kentucky, Lexington.
- Ruple, Steven D.

 1992a Report of a Surface Examination of Four Archaeological Sites in Hunting Area 90, Fort Knox, Hardin County, Kentucky. Directorate of Engineering and Housing, Fort Knox, Kentucky.
 - 1992b Report of an Examination of Three Archaeological Sites in Hunting Area 1, Fort Knox, Kentucky. <u>Directorate of Engineering and Housing, Fort Knox, Kentucky.</u>
 - 1993b An Archaeological Survey of Hunting Area 4, Fort Knox, Hardin and Meade Counties, Kentucky. Directorate of Engineering and Housing, Fort Knox, Kentucky.
 - 1993b Report of an Archeological Survey of a Proposed Shoreline Maintenance Project at Dickerson Lake, Fort Knox, Kentucky. Directorate of Engineering and Housing, Fort Knox, Kentucky.
- Schenian, Pamela A.
 1991 A Phase I Archeological Survey of Hunting Areas 17,
 30 and 41, Fort Knox Military Reservation, Bullitt
 and Hardin Counties, Kentucky. Murray State University, Murray.

- Schenian, Pamela A., and Stephen T. Mocas
 1992 A Phase I Archeological Survey of ca. 600 Acres and
 Site Flagging in ca. 300 Acres in Various Timber
 Areas on the Fort Knox Military Reservation, Hardin
 and Meade Counties, Kentucky. Murray State University, Murray.
- Schenian, Pamela A.

 1993 A Phase I Archeological Survey of Six Proposed Spoil
 Areas for the Highway 313 Road Construction on the
 Fort Knox Military Reservation, Hardin County, Kentucky. Directorate of Public Works, Fort Knox.
- Schenian, Pamela A. and Stephen T. Mocas 1993 A Phase I Archeological Survey of ca. 330 Acres in Various Rehab Areas on the Fort Knox Military Reservation, Hardin and Meade Counties, Kentucky. Directorate of Public Works, Fort Knox.
- Sorensen, Jerrel H., and Cecil R. Ison
 1979 A Cultural Resource Reconnaissance of the Proposed
 South Central Bell Building Expansion and Access
 Road Construction, Fort Knox, Kentucky. Archeological Report No. 17, Department of Anthropology, University of Kentucky
- Sussenbach, Tom
 1990 Archaeological Report: Negative Find/Isolated Finds
 Survey: Weather Radar Installation. Program for Cultural Resource Assessment, University of Kentucky,
 Lexington.
- United States Geological Survey 1991 Fort Knox, Kentucky-Indiana, 7.5 Minute Topographic Quadrangle.
- Webb, Paul A., and Paul E. Brockington, Jr.

 1986 Final Report: An Archaeological Survey of Areas
 Potentially Impacted by Reconstruction of State
 Highway 1638, Meade County, Kentucky, revised and
 edited by Patrick H. Garrow. Garrow & Associates,
 Atlanta.
- Wheaton, Thomas R., Jr.

 1987 Archaeological Testing at Garnettsville, Kentucky.

 Kentucky Highway 1638 Alignment. Garrow & Associates, Atlanta.

APPENDIX A. RESUMES OF KEY PERSONNEL

Pamela A. Schenian Staff Archeologist and Project Principal Investigator

Directorate of Public Works Office Address:

ATTN: ATZK-DPW (Schenian)

U.S. Army Armor Center and Fort Knox

Fort Knox, Kentucky 40121-5000

(502) 624-6581 Phone:

Date and Place of Birth: January 1, 1959; Waukesha, WI.

Present Position: J.M. Waller & Associates/Fort Knox Staff Archeologist and Cultural Resource Manager

Education:

A.B.D. in Anthropology, Northwestern University, 1984.

M.A. in Anthropology, Northwestern University, 1982.

A.B. in Anthropology, Bryn Mawr College, 1980.

Previous Employment:

Senior Staff Archeologist, Archeology Service Center, Department of Sociology, Anthropology, and Social Work, Murray State University, Murray, KY, November 1991-June 1993; Staff Archeologist, November 1983-November 1991.

Southern Illinois University, Carbondale, IL: Technician, November-December 1985, September-October 1984.

Illinois State Museum Society, Springfield, IL: Field Assistant II (Supervisor), summer 1983; Field Technician, summer 1981.

Center for American Archeology, Kampsville, IL: Field Technician, summer 1982.

Department of Anthropology, Northwestern University, Evanston, IL: Teaching Assistant, 1981-82 academic year. Great Lakes Archeological Research Center, Milwaukee,

WI: Field Technician, summer 1979.

Field Research Experience:

Field experience on prehistoric and historic archeological projects in the states of Illinois, Indiana, Kentucky, New Jersey, South Dakota, Tennessee, and Wisconsin, 1979present.

Professional Publications, Reports, Papers and Manuscripts: 84 CRM contract reports on projects in Indiana, Kentucky, and Tennessee.

- 1 Homocide site excavation contract report prepared in lieu of court testimony in Illinois.
- 7 Papers presented at professional conferences.
- 5 Publications.

Doctoral candidacy qualifying paper: "A Theory of Individual Style Variation for Archeological Studies".

Manuscript submitted in partial fulfillment of the M.A. requirements: "Models of Environmental-Cultural Relationships: Testing with Archeological Evidence".

Stephen T. Mocas Assistant Staff Archaeologist

Directorate of Public Works Office Address:

ATTN: ATZK-DPW (Mocas)

U.S. Army Armor Center and Fort Knox

Fort Knox, Kentucky 40121-5000

Phone: (502) 624-6581

University of Louisville Program of Present Position: Archaeology/Fort Knox Assistant Staff Archeologist

Education:

Completed one year of doctoral program, Southern Illinois University, Carbondale, Illinois, 1972.

B.A. in Anthropology, University of Louisville, 1971.

Previous Employment:

Indiana University, Bloomington, Indiana: Staff Archae-

ologist, September 1991-November 1993.

Murray State University, Murray Kentucky: Staff Archae-

ologist, November 1991-November 1993.

Jefferson Community College, Louisville, Kentucky.

Anthropology Instructor, August 1981-December 1982.
Louisville School of Art, Louisville, Kentucky: Anthro-

pology Instructor, January-May 1976.

University of Louisville Archaeological Survey, Louisville, Kentucky. Project Director, Field Supervisor, or Research Assistant on various projects, July 1969-January 1977.

State University of New York of Buffalo, Buffalo, New

York. Senior Field Worker, June-August 1970.

Field Research Experience:

Field experience, Phase I-III, prehistoric and historic archeological projects in the states of Illinois, Indiana, Kentucky, New York, and Tennessee, 1969-present.

Research Grants:

Six grants for fieldwork and research.

Professional Publications, Reports, Papers and Manuscripts:

3 non-contract site reports on projects

10 CRM contract reports on projects

5 Chapters in additional site reports.

4 Publications, 1 in press.